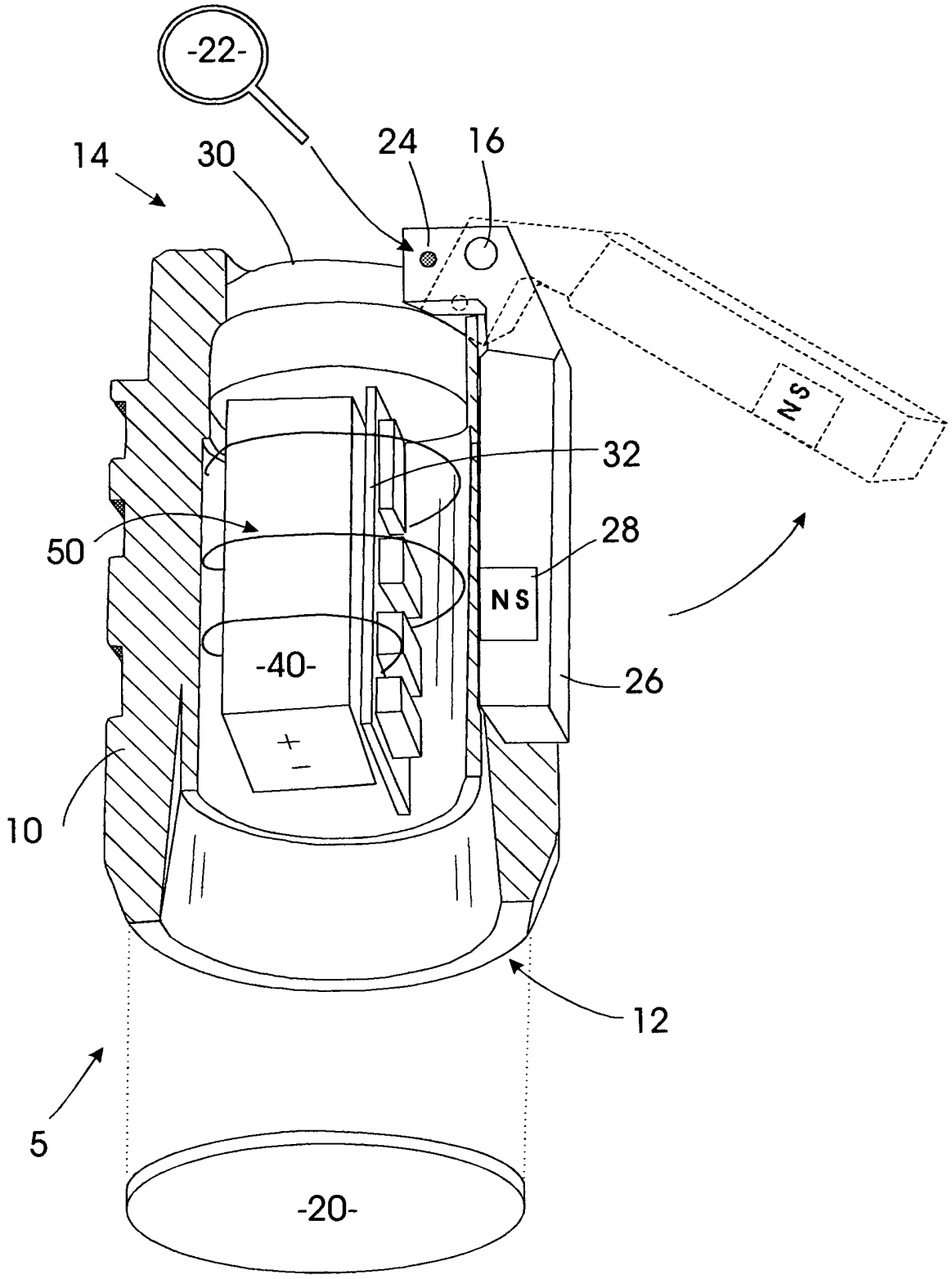

Fig. 1

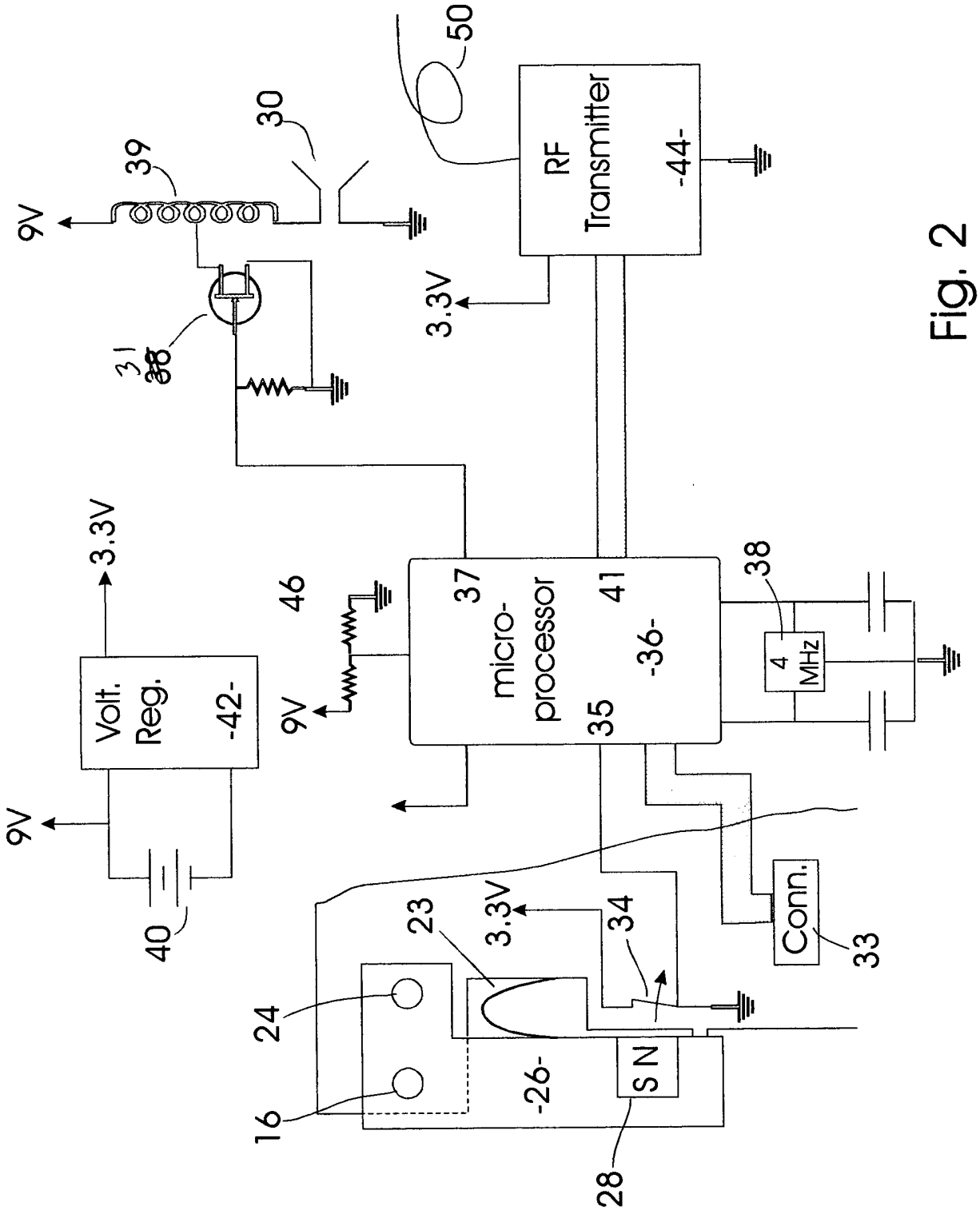
50
RF
Transmitter
-44-
30
39
9V
3.3V
31
38
3.3V
Volt.
Reg.
-42-
9V
40
46
9V
37
micro-
processor
41
-36-
35
38
4
MHz
23
3.3V
34
Conn.
33
24
16
-26-
S N
28

Fig. 2

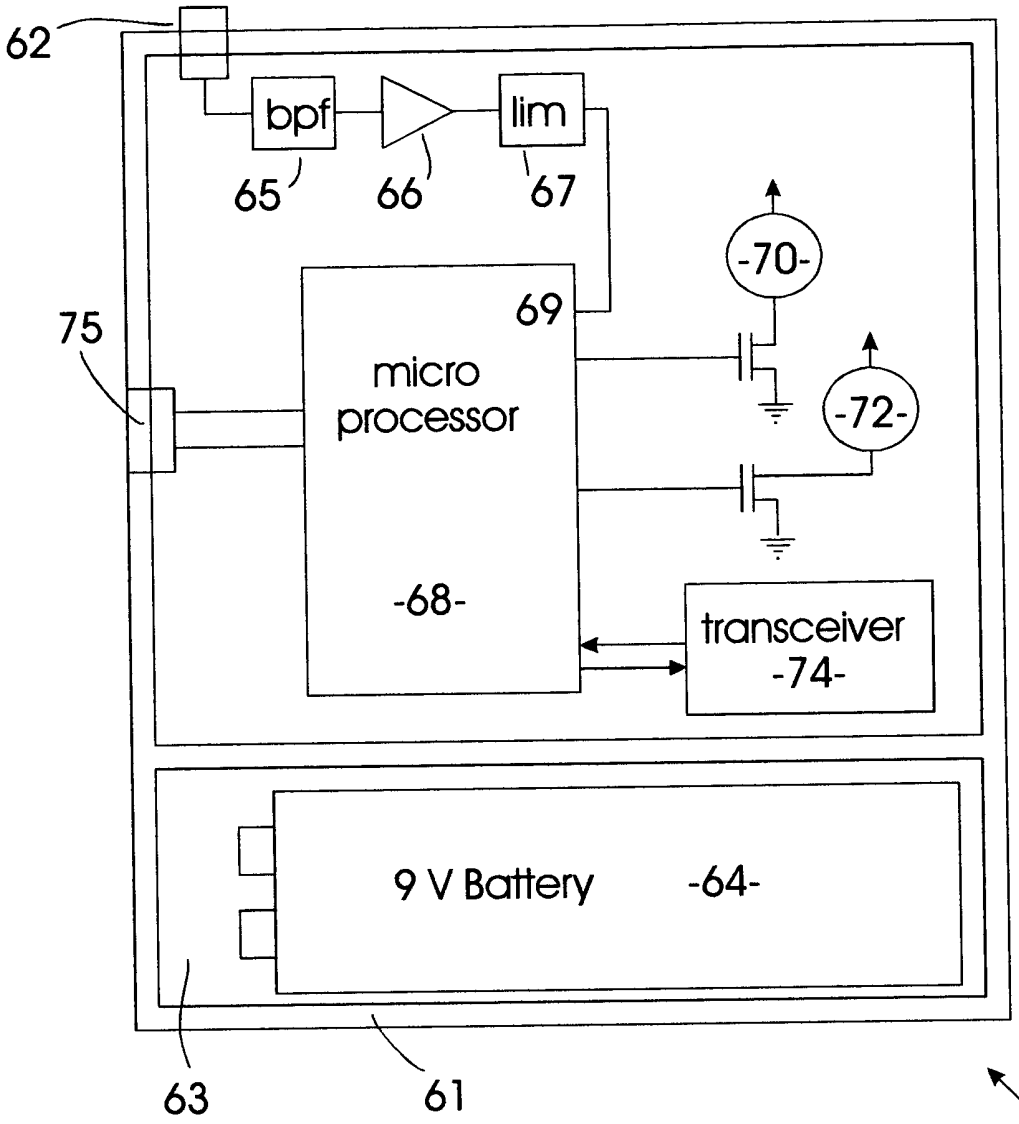
62
bpf
lim
65
66
67
-70-
69
75
micro
processor
-72-
-68-
transceiver
-74-
9 V Battery
-64-
63
61
60

Fig. 3

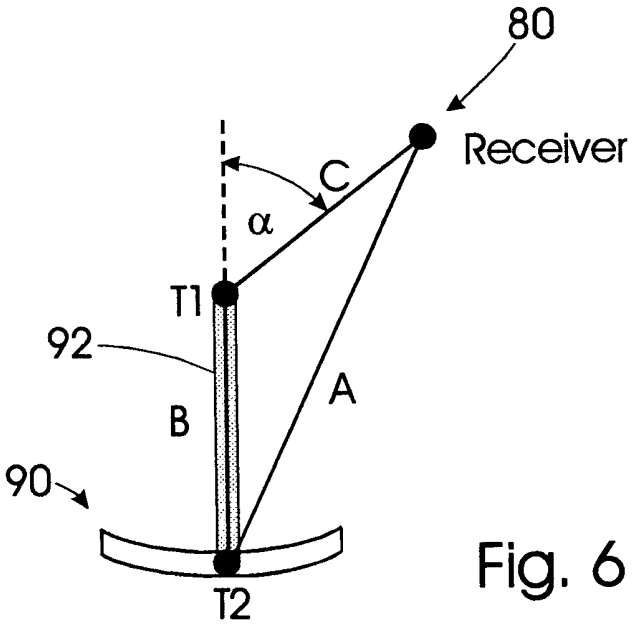
80
Receiver
C
α
T1
92
B
A
90
T2

Fig. 6

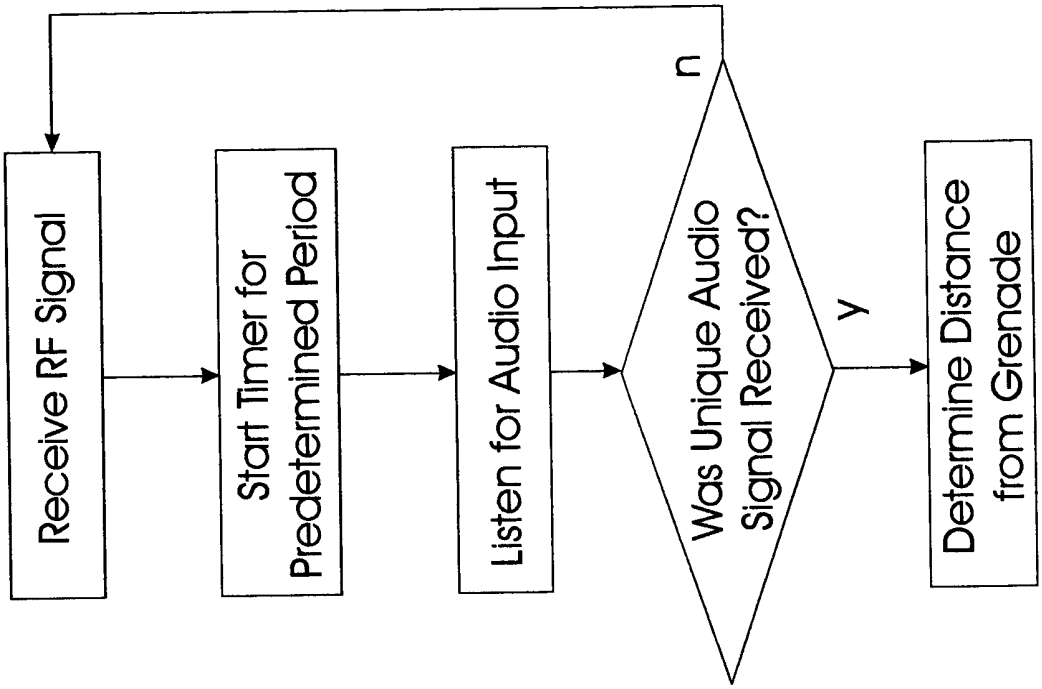
Receive RF Signal
Start Timer for Predetermined Period
Listen for Audio Input
Was Unique Audio Signal Received?
n
y
Determine Distance from Grenade

Fig. 5

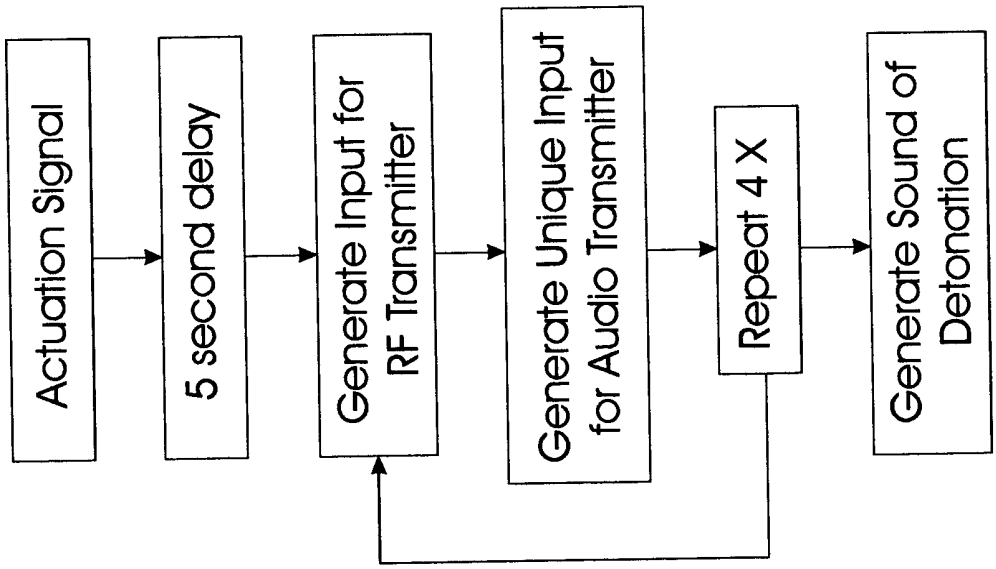
Actuation Signal
5 second delay
Generate Input for RF Transmitter
Generate Unique Input for Audio Transmitter
Repeat 4 X
Generate Sound of Detonation

Fig. 4